## N THE UNITED STATES PATENT AND TRADEMARK OFFICE

nt: PARIKH et al.

Serial No. 09/911,155

Filed: July 23, 2001

Group Art Unit: 2811

Title: GALLIUM NITRIDE BASED DIODES WITH LOW FORWARD VOLTAGE AND

LOW REVERSE CURRENT OPERATION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

This certification is being made for the Information Disclosure Statement accompanying this certification. Applicants submit a copy of each of the references listed on the attached supplemental PTO-1449 (Modified) form for consideration by the Examiner.

I, the person signing below certify that:

- each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement (37 C.F.R.  $\S 1.97(e)(1)$ ; or
- no item of information contained in the information disclosure statement, to (b) the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in § 1.56(c) more than three months prior to the filing of the statement. 37 C.F.R. § 1.97(e)(2).

Respectfully submitted,

May 21, 2003

G. Heybl

Régistration No. 42,661

Attorney for Applicant

KOPPEL, JACOBS, PATRICK & HEYBL 555 St. Charles Drive, Suite 107 Thousand Oaks, California 91360 (805) 373-0060

**CERTIFICATE OF MAILING** 

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

Marianne Middleton

FORM PTO-1449 (Modified)	Docket No. P0164US-7	Application Number 09/911,155
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicant PARIKH et al.	
arse several sheets if necessary)	Filing Date	Group Art Unit

### U.S. PATENT DOCUMENTS

Initial	Docu	Document Number Date				Name	Class	Subclass	Filing Date If Appropriate			
	5	6	1	2	5	6	7 03/18/97	03/18/97	BALIGA	257	475	
	<del>                                     </del>				ļ	ļ			1			
	<u> </u>											<u></u>
	ļ	ļ	-						<u> </u>			b)
	+-			ļ							<del> </del>	R R
	<u> </u>											
	+	-					-					
	+		-			-						
	$\pm$											r.s
												ф Ф Э

## FOREIGN PATENT DOCUMENTS

Docs	ument	Numbe	r				Date Country	Class	Subclass	Translation		
1											Yes	No
WO	98	5	6	0	4	3	12/10/98	PCT				х

# OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

1	ZHANG A P et al, "COMPARISON OF GAN P-I-N AND SCHOTTKY RECTIFIER PERFORMANCE", IEEE TRANSACTIONS ON ELECTRON DEVICES, IEEE INC. NEW YORK, US, Vol. 48, No. 3, March 2001 (2001-03), p. 407-411, XP001038984 ISSN, 0018-9383
2	MOHAMMAD S N et al. "NEAR-IDEAL PLATINUM-GZN SCHOTTKY DIODES", ELECTRONICS LETTERS, IEE STEVENAGE, GB, Vol. 32, No. 6, 3/14/96, p. 598-599, XP006004867, ISSN, 0013-5194.
3	SCHMITZ A C A et al., "METAL CONTACTS TO N-TYPE GAN", III-V NITRIDES AND SILICON CARBIDE, FORT COLLINS, CO, USA, 1997, Vol. 27, No. 4, p. 255-260, XP008016192, JOURNAL OF ELECTRONIC MATERIALS, 4/1998, TMS, USA, ISSN, 0361-5235

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.